

# Opening Session



## Keynote Address

**David Zilkoski**

Director of the National Geodetic Survey

David B. Zilkoski received a B.S. degree in Forest Engineering from the College of Environmental Science and Forestry at Syracuse University in 1974 and a M.S. degree in geodetic science from The Ohio State University in 1979. He has been employed by National Oceanic and Atmospheric Administration (NOAA) since 1974.

From 1974 to 1981, as a member of the NOAA's National Geodetic Survey (NGS) Horizontal Network Branch, he participated in the new adjustment of the North American Datum. In 1981, he transferred to the Vertical Network Branch and served as Chief, Vertical Analysis Section and Project Manager, New Adjustment of the North American Vertical Datum. In February 1998, he was named Chief of Geosciences Research Division (GRD) and, in February 2000, he was selected as Deputy Director of NGS. In February 2006, he was selected as Director, National Geodetic Survey.

Under the auspices of the Federal Geodetic Control Subcommittee, Zilkoski evaluates new leveling instrumentation, e.g., electronic digital bar code leveling systems. Based on instrument testing, he develops and verifies new specifications and procedures to estimate classically derived, as well as GPS derived, orthometric heights. Under his leadership, NGS has the developed and transferred new positioning technologies such as the Shallow Water Positioning System (SWaPS) for monitoring underwater features, GPS-equipped buoys, the incorporation of geodetic data and procedures into restoration projects for determining accurate elevation models, and the use of new geodetic and remote sensing technology such as GPS, LIDAR, and IFSAR to generate shoreline and other coastal information for managers.

Zilkoski has authored a number of publications on coastal subsidence, surveying, and vertical datum including a chapter in *The DEM Users Manual* (2001, The American Society for Photogrammetry and Remote Sensing, Bethesda, MD, David F. Maune, ed.). He is also a guest lecturer at the University of California at Riverside. Mr. Zilkoski is Chair of the MTS Marine Geodetic Information System Committee, a past President of the American Association for Geodetic Surveying, a member of the American Geophysical Union, Maryland Society of Surveyors, and a fellow of the American Congress on Surveying and Mapping and the International Association of Geodesy.

## Special Welcome

**Rick Johnstone, Deputy Mayor of Louisville**

Rick Johnstone was named Deputy Mayor for Louisville Metro Government following the merger of the old City of Louisville and Jefferson County governments in January, 2003. Previously, Rick served as Commissioner for Kentucky's Alcoholic Beverage Control Department. Before 1997, Rick was Jefferson County's Director of the Office of Community Outreach and served as the local ABC administrator for Jefferson County. He has experience working in the private industry as well, spending 15 years in quality control. Rick represents Louisville Metro Government on the LOJIC Policy Board and is an advocate for growth of the LOJIC partnership and wider use of GIS technology across the Louisville Metro region. He and his wife, Linda, currently live in the Fairdale area of Louisville Metro, Kentucky. They have three grown children and ten grandchildren.



# Plenary Sessions



## Tuesday Luncheon Presentation

**Jim Lorenz, Microsoft® Virtual Earth™**  
Geospatial Solutions Specialist

Overview of Virtual Earth Technologies, enabling Kentucky's state and local governments to reduce response time & improve decision making with easier data access, visualization, analysis and insight

Session Coordinated by the *Kentucky Association of Mapping Professionals (KAMP)*

Jim Lorenz leads Microsoft's Virtual Earth State & Local, as well as Education, sales and marketing. In this capacity, he is responsible for the introduction and adoption of Virtual Earth capabilities to U.S. state & local government, as well as education public sector customers. With more than ten years as a consumer and producer of hardware and software solutions for complex business problems, including visualization, situational awareness and collaboration, Lorenz has the background to consult on a wide range of opportunities for organizations to improve their decision-making performance with the aid of the Virtual Earth platform in combination with communications and collaboration technologies.

From 2000-2006, Mr. Lorenz served as Information Worker Solution Specialist & Strategic Account Executive for the State & Local Government East Region, working with customers to realize their investments for Health & Human Services, Justice & Public Safety, Transportation and Finance, as well as Administration. During his tenure, he succeeded in gaining widespread adoption of the leading cross-organizational collaboration technology across government, state and local organizations, helping evangelize the statewide law enforcement portal in Alabama, as well as the retirement system in the state of North Carolina. Prior to Microsoft, Mr. Lorenz spent time with CIBER, a tier 2 consulting company, Inacom Information Systems, and worked in an industrial sales capacity. He was a resident of Orange County, NY for 20 years through 1986 and is a season ticket holder to the NY Giants. Lorenz enjoys spending weekends with his family at Smith Mountain Lake, VA.

## Wednesday Morning Panel Session & Discussion Statewide GIS & Imagery Programs

### Moderator:

Mike Ritchie, *Photo Science*

### Panelists:

Stu Davis, *NSGIC President*; Jay Parrish, *Pennsylvania State Geologist*;  
Craig Neidig, *USGS State Mapping Advisor*

In recent years, many states have undertaken statewide programs for base mapping, elevation data and GIS. Varying methods of legislation enactments, funding and cooperation among states have led to different means and methods of accomplishing this major goal. The three presenters will discuss their individual programs representing the states of Ohio, Pennsylvania and West Virginia. Upon conclusion of their remarks, an open discussion will focus on the relative points regarding how Kentucky could initiate a better statewide program for mapping the entire state with new elevation data as well.

The state of Ohio is in its second season of a new statewide update, involving new aerial imagery as well as LiDAR collection for an updated digital elevation model. The state of Pennsylvania took a more progressive route and flies approximately a third of their state each year for LiDAR collect, next season being the third and final season which will result in total statewide coverage to support FEMA standards for Flood Insurance Rate Maps (FIRMs), and about 25 percent of the state in imagery each year. The state of West Virginia, driven by public safety and E-9-1-1 update system, embarked about three years ago upon a program to map the entire state in a single flying season. Their remarks will prove very beneficial in helping get Kentucky up to speed with its neighboring states.